

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	39	"-1" with "1" with class\$9 and eigen\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 08:47
L2	21	"-1" with "1" with class\$9 and eigen\$10 and (face or facial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:30
L3	952	382/224.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:09
L4	68	382/224.ccls. and ("1" with "-1")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:15
L5	4	382/224.ccls. and ("1" with "-1") and occlu\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:12
L6	1	382/224.ccls. and ("1" with "-1") and beard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:12
L7	0	382/224.ccls. and ("1" with "-1") and glass\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:12
L8	0	382/224.ccls. and ("1" with "-1") and sunglass\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:12

## EAST Search History

L9	10	382/224.ccls. and ("1" with "-1") and shadow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:12
L10	640	"-1" with "1" with (face or facial or beard or mustache) and class\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:31
L11	926	"-1" with "1" with (face or facial or beard or mustache or glass\$2 or sunglass\$2) and class\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:31
L12	936	"-1" with "1" with (face or facial or beard or mustache or glass\$2 or sunglass\$2 or occlu\$5) and class\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:32
L13	66	"-1" with "1" with (face or facial or beard or mustache or glass\$2 or sunglass\$2 or occlu\$5) and class\$10 and vector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:33
L14	11	"-1" with "1" with (face or facial or beard or mustache or glass\$2 or sunglass\$2 or occlu\$5) and class\$10 and eigen\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:55
L15	82	detect\$4 with sunglass\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 09:56
S1	714	382/118.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:33

## EAST Search History

S2	17	382/118.ccls. and eigen adj vector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:34
S3	17	382/118.ccls. and ((eigen adj vector) or eigenvector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:34
S4	93	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:35
S5	20	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector) and occlu\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:39
S6	26	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector or eigen\$value or eigen\$face) and occlu\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:39
S7	30	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector or eigen\$value or eigen\$face) and occlu\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:40
S8	8	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector or eigen\$value or eigen\$face) and occlu\$4 and glass\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:42
S9	11	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector or eigen\$value or eigen\$face) and occlu\$4 and (glass\$2 or sunglass\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:43

## EAST Search History

S10	11	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector or eigen\$value or eigen\$face or eigen adj face) and occlu\$4 and (glass\$2 or sunglass\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:44
S11	11	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector or eigen\$value or eigen\$face or (eigen adj face)) and occlu\$4 and (glass\$2 or sunglass\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:44
S12	14	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector or eigen\$value or eigen\$face or (eigen adj face) or eigenface) and occlu\$4 and (glass\$2 or sunglass\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:45
S13	14	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector or eigen\$value or eigenvalue eigen\$face or (eigen adj face) or eigenface) and occlu\$4 and (glass\$2 or sunglass\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:45
S14	14	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector or eigen\$value or eigenvalue or eigen\$face or (eigen adj face) or eigenface) and occlu\$4 and (glass\$2 or sunglass\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:46
S15	14	382/118.ccls. and ((eigen adj vector) or eigenvector or eigen\$vector or eigen\$value or eigenvalue or (eigen adj value) or eigen\$face or (eigen adj face) or eigenface) and occlu\$4 and (glass\$2 or sunglass\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:46
S16	14	382/118.ccls. and (eigen\$6) and occlu\$4 and (glass\$2 or sunglass\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:46
S17	14	382/118.ccls. and (eigen\$10) and occlu\$4 and (glass\$2 or sunglass\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08,12:47

## EAST Search History

S18	289	382/117.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:47
S19	3	382/117.ccls. and (eigen\$10) and occlu\$4 and (glass\$2 or sunglass\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 13:31
S20	1	382/117.ccls. and (eigen\$10) with weight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 13:33
S21	12	382/118.ccls. and (eigen\$10) with weight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 13:38
S22	421	(eigen\$10) with weight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 13:38
S23	2	(eigen\$10) with weight with occlu\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 13:39
S24	4	(eigen\$10) with weight same occlu\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 13:40
S25	20	(eigen\$10) with weight and occlu\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 13:41

## EAST Search History

S26	33	(eigen\$10) same weight and occlu\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 13:58
S27	119	(eigen\$10) same weight and (glass\$2 or sunglass\$2 or sun\$glass\$2 or (sun adj glass\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:00
S28	44	(eigen\$10) same weight and (glass\$2 or sunglass\$2 or sun\$glass\$2 or (sun adj glass\$2)) and (face or facial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:10
S29	40	(eigen\$10) same weights and (glass\$2 or sunglass\$2 or sun\$glass\$2 or (sun adj glass\$2)) and (face or facial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:10
S30	32	(eigen\$10) same weight and (glass\$2 or sunglass\$2 or sun\$glass\$2 or (sun adj glass\$2)) and (face or facial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:11
S31	61	(eigenvector or eigen\$vector) same weight and (face or facial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:54
S32	70	(eigenvector or eigen\$vector or (eigen adj vector)) same weight and (face or facial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:55
S33	262	(eigenvector or eigen\$vector or (eigen adj vector)) with extract\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:55

## EAST Search History

S34	23	(eigenvector or eigen\$vector or (eigen adj vector)) with extract\$4 with weight\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:59
S35	826	(eigenvector or eigen\$vector or (eigen adj vector)) same weight\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:59
S36	50	(eigenvector or eigen\$vector or (eigen adj vector)) same weight\$4 same (face or facial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 15:09
S37	97	(eigen\$10) same weight\$4 same (face or facial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 15:10
S38	28	(eigen\$10) same weight\$4 same (face or facial) and (sunglass\$4 or sun\$glass\$2 or (sun adj glass\$4) or glass\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 15:30
S39	36	(eigen\$10) same weight\$4 same (face or facial) with extract\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 15:30
S40	1	("5163094").PN.	USPAT	OR	OFF	2007/02/09 08:27
S41	4079	principal adj component adj analysis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 08:28
S42	231	(principal adj component adj analysis) with (face or facial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 08:30

## EAST Search History

S43	32	(principal adj component adj analysis) with (face or facial) and occlu\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 08:32
S44	13	(principal adj component adj analysis) with (face or facial) and sunglass\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 09:07
S45	127	extract\$4 with eigen\$10 with image	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 09:08
S46	19	extract\$4 with eigen\$10 with image with (weight or coefficient)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 09:21
S47	2	occlu\$4 with (eigen\$10 with (weight\$4 or coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 09:22
S48	3	(sunglass\$2 or hair or beard) with (eigen\$10 with (weight\$4 or coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 09:22
S49	25	(sunglass\$2 or hair or beard or mask or scarf) with (eigen\$10 with (weight\$4 or coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 09:23
S50	42	(sunglass\$2 or hair or beard or mask or scarf) same (eigen\$10 with (weight\$4 or coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 09:24

## EAST Search History

S51	9	(sunglass\$2 or hair or beard or scarf) same (eigen\$10 with (weight\$4 or coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 09:24
S52	55	(sunglass\$2 or hair or beard or scarf) and (eigen\$10 with (weight\$4 or coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 09:44
S53	47	(occlu\$5) and (eigen\$10 with (weight\$4 or coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 09:59
S54	1	("20040127799").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/09 10:00
S55	305	382/118.ccls. and normaliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:19
S56	94	382/118.ccls. and normaliz\$5 and (principal adj component)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:20
S57	17	382/118.ccls. and normaliz\$5 with region and (principal adj component)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:25
S58	27	382/118.ccls. and normaliz\$5 with (gray\$5 or grey\$5 or intensity or monochrome or luminance) and (principal adj component)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:29
S59	13	382/118.ccls. and normaliz\$5 with (gray\$5 or grey\$5 or intensity or monochrome or luminance) with (face or nose or mouth or eye) and (principal adj component)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:35

## EAST Search History

S60	4	382/118.ccls. and normaliz\$5 with (gray\$5 or grey\$5 or intensity or monochrome or luminance) with (face or nose or mouth or eye)with region	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:39
S61	13	382/118.ccls. and normaliz\$5 same (gray\$5 or grey\$5 or intensity or monochrome or luminance) same (face or nose or mouth or eye)same region	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:39
S62	4	crop\$5 with eye with nose with mouth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 14:31
S63	221	crop\$5 with (mouth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 14:31
S64	7	crop\$5 with (mouth with nose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 14:32
S65	229	extract\$4 with (mouth with nose with eye)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 14:32
S66	0	extract\$4 with (mouth with nose with eye)with box	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 14:32
S67	19	(mouth with nose with eye)with box	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 15:11

## EAST Search History

S68	4382	"-1" with "1" with face	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 15:12
S69	0	"-1" with "1" with face with eigen\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 15:12
S70	12	"-1" with "1" with face and eigen\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 08:44
S71	26	"-1" with "1" same face and eigen\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 15:19
S72	27	"-1" with "1" same (face or facial) and eigen\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 15:19